



## *LETTER OF CREDIT ESTIMATE*

**June 14, 2016**

Revised July 25, 2016

### **Crimson & Clover Plat**

IMPROVEMENT ITEMS	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Grading				
a. Excavation for streets and lots	7,000	C.Y.	Lump Sum	<u>17,000.00</u>
b. Remove and stockpile all topsoil	5,000	C.Y.	Lump Sum	<u>10,000.00</u>
c. Respread all topsoil in disturbed areas	5,000	C.Y.	Lump Sum	<u>10,000.00</u>
3" Bituminous pavement, two courses	2,445	S.Y.	<u>12.00</u>	<u>29,340.00</u>
6" Compacted aggregate base	2,805	S.Y.	<u>5.50</u>	<u>15,427.50</u>
15" Minimum MDOT CL II sand subbase	1,169	C.Y.	<u>6.00</u>	<u>7,014.00</u>
24" Concrete curb and gutter per detail	265	L.F.	<u>20.00</u>	<u>5,300.00</u>
Final Grading	1	Each	Lump Sum	<u>3,000.00</u>
Wooden guard posts (treated)	7	Each	<u>100.00</u>	<u>700.00</u>
Sawcut and remove existing paving 10' back for smooth transition (2 locations)	1	Each	Lump Sum	<u>1,000.00</u>
Soil Erosion and Sediment Controls (miscellaneous items and general maintenance)	1	Each	Lump Sum	<u>5,000.00</u>
Street sweeping	1	Each	Lump Sum	<u>1,500.00</u>
Finish grade, respread topsoil, seed and mulch ROW and utility easements following private utility company installation	1	Each	Lump Sum	<u>3,000.00</u>
Soil Erosion Control Blanket (North American Green SC-150 or approved equal)	3,000	S.Y.	<u>1.25</u>	<u>3,750.00</u>
Seed and mulch ROW and sideslopes 1 on 4 or steeper	1	Acre	<u>950.00</u>	<u>950.00</u>
Seed disturbed areas	5	Acre	<u>800.00</u>	<u>4,000.00</u>
4" Schedule 40 PVC gray utility company conduits complete w/nylon pull rope and 2 end caps per crossing. (48" depth) Conduit supplied by contractor. (for electric, telephone, gas, and cable TV)	200	L.F.	<u>15.00</u>	<u>3,000.00</u>

<b>Sub-Total for Improvement Items</b>				<b>\$</b>	<b>119,981.50</b>
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<b>STORM SEWER ITEMS</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT PRICE</b>	<b>AMOUNT</b>
12" Storm sewer, (SLCPP)	826	L.F.	19.00	15,694.00
15" Storm sewer, (SLCPP)	415	L.F.	21.00	8,715.00
18" Storm sewer, (SLCPP)	177	L.F.	24.00	4,248.00
24" Storm sewer, (SLCPP)	273	L.F.	28.00	7,644.00
4 ft. Dia. manhole complete with cast iron frame and cover	4	Each	2,000.00	8,000.00
4 ft. Dia. catch basin complete with cast iron frame and cover	11	Each	2,100.00	23,100.00
5 ft. Dia. manhole complete with cast iron frame and cover	1	Each	2,500.00	2,500.00
5 ft. Dia. catch basin complete with cast iron frame and cover	1	Each	2,600.00	2,600.00
Place and maintain inlet sediment filters on catch basins	12	Each	100.00	1,200.00
Clean and flush storm sewer system (post construction)	1	Each	Lump Sum	1,500.00

<b>Sub-Total for Storm Sewer Items</b>				<b>\$</b>	<b>75,201.00</b>
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<b>SANITARY SEWER ITEMS</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT PRICE</b>	<b>AMOUNT</b>
8" Sanitary sewer (SDR-35) (12' to 14' deep) including pressure testing, flushing and mandrill TV inspection as required by the Twp.	90	L.F.	50.00	4,500.00
8" Sanitary sewer (SDR-35) (14' to 18' deep) including pressure testing, flushing and mandrill TV inspection as required by the Twp.	192	L.F.	60.00	11,520.00
8" Sanitary sewer (SDR-35) (18' to 20' deep) including pressure testing, flushing and mandrill TV inspection as required by the Twp.	271	L.F.	68.00	18,428.00
4' Dia. manhole 12' to 14' deep including cast iron frame and cover	1	Each	2,850.00	2,850.00
4' Dia. manhole 14' to 18' deep including cast iron frame and cover	1	Each	3,150.00	3,150.00
4' Dia. manhole 18' to 20' deep including cast iron frame and cover	1	Each	3,500.00	3,500.00
6" Sewer lateral including all bends and fittings (SDR-23.5)	567	L.F.	30.00	17,010.00
8" x 8" x 6" Wyes	12	Each	150.00	1,800.00
6" Main line risers (vertical feet)	90	V.F.	30.00	2,700.00

<b>Sub-Total for Sanitary Sewer Items</b>				<b>\$</b>	<b>65,458.00</b>
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# **WATER MAIN ITEMS**

**QUANTITY      UNIT      UNIT PRICE      AMOUNT**

8" Ductile Iron (Class 52) Water main  
including pressure testing, chlorination and sampling  
as required by Twp. Specifications

639    L.F.    32.00    20,448.00

8" x 8" x 6" Tee

2    Each    500.00    1,000.00

12" x 6" Reducer

1    Each    450.00    450.00

8" x 6" Reducer

1    Each    320.00    320.00

5" Hydrant

2    Each    2,200.00    4,400.00

6" Valve and Box for hydrant assembly

2    Each    900.00    1,800.00

6" 90° Bend

2    Each    250.00    500.00

Remove, Salvage and Place 5" Hydrant

1    Each    500.00    500.00

Remove, Salvage and Place 6" Valve and Box

1    Each    300.00    300.00

8" Valve and Box

1    Each    1,200.00    1,200.00

8" 45° Bend

2    Each    350.00    700.00

1" Copper water service

474    L.F.    18.00    8,532.00

1" Corporation, Curb Stop and Box

12    Each    550.00    6,600.00

<b>Sub-Total for Water main Items</b>				<b>\$</b>	<b>46,750.00</b>
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# **OTHER ITEMS**

**QUANTITY      UNIT      UNIT PRICE      AMOUNT**

Franchise Utilities(Gas, Electric,Cable,Etc.)

640    LF    30.00    19,200.00

Construction Staking

1    Each    Lump Sum    10,000.00

Lot Corner Staking

1    Each    Lump Sum    3,000.00

Full-Time Construction Inspection

1    Each    Lump Sum    12,000.00

Material Testing

1    Each    Lump Sum    8,500.00

As-built Plans

1    Each    Lump Sum    5,500.00

<b>Sub-Total for Other Items</b>				<b>\$</b>	<b>58,200.00</b>
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<b>TOTAL</b>				<b>\$</b>	<b>365,590.50</b>
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<b>CONTINGENCY</b>	<b>20%</b>			<b>\$</b>	<b>73,118.10</b>
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<b>FINAL TOTAL</b>				<b>\$</b>	<b>438,708.60</b>
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